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21 October 1955

APD Panel

Ad Hoc 38

MEMORANDUM FOR: APD PANEL

SUBJECT : Initiation of Ad Hoc Project, Collapsible  
Lens Barrel

1. It is requested, in compliance with a written requirement from PD, that an ad hoc project number be assigned and file established on the subject project.

2. The work to be completed under this project is the fabrication of a collapsible barrel incorporating a 40" focal length Astro lens suitable for use with an Exacta VX camera or Leica III F with reflex housing. This project has been let to [redacted] for a contract price of \$2,592.00. A copy of the performance specifications is herein attached.

3. [redacted] is to be the project engineer.

[redacted]  
TSS/APD

## Attachment:

Specifications as  
noted above

## Distribution:

Orig. - APD Panel  
2 - REL  
1 - Chrono

TSS/APD/[redacted] (21 October 1955)

Approved

11/23/55

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SCHEDULE A

TASK III

SPECIFICATION OF PERFORMANCE FOR TELEPHOTO LENS

The Contractor shall select a 40" focal length Astro lens and design and construct a lens barrel to form a Telephoto lens which shall have the following properties:

1. A focal length of 40 inches.
2. A lens resolution of at least 85 lines/m.m. when the lens is wide open.
3. An aperture of approximately  $f - 5.6$
4. A collapsible barrel with a maximum collapsed length of 15 inches and a maximum diameter of  $7 \frac{1}{2}$  inches.
5. A system for tripod mounting using a single tripod and a two tripod support. (This will require three tripod sockets).
6. A camera mounting to permit attachment of the lens to a bayonet type Exakta camera or a Leica with reflex housing.
7. A focusing system permitting sharp images from 500 feet to infinity.
8. A lens shade to shield from extraneous light.
9. Barrel is to be constructed out of a tough, lightweight aluminum alloy and with a flat black finish.

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